

Comments: 105-10-420

Stream 105-10-42 drains steep rocky terrain located on the north side of Mount McArthur. The intertidal area was examined at flood tide conditions. The lower intertidal area appeared to be chiefly composed of compact cobbles covered with rock kelp. The upper intertidal area displays mixed cobbles and gravels which provide fair spawning habitat (45 percent ASA). Approximately 50 adult pink salmon were observed off the mouth. Pink salmon bones were observed in the woods above the intertidal area.

Reach #1 (lower .25 mile) displays mixed cobble-gravel-boulder substrates with scattered bedrock areas. The stream has two distinct channels just above the intertidal area and is incised above .1 mile. Spawning habitat is poor-fair and becomes progressively worse upstream. Not a single juvenile fish was seen in the watershed, possibly indicating the stream may be intermittent in the summer months.

Photo #12 depicts the stream .2 mile upstream.

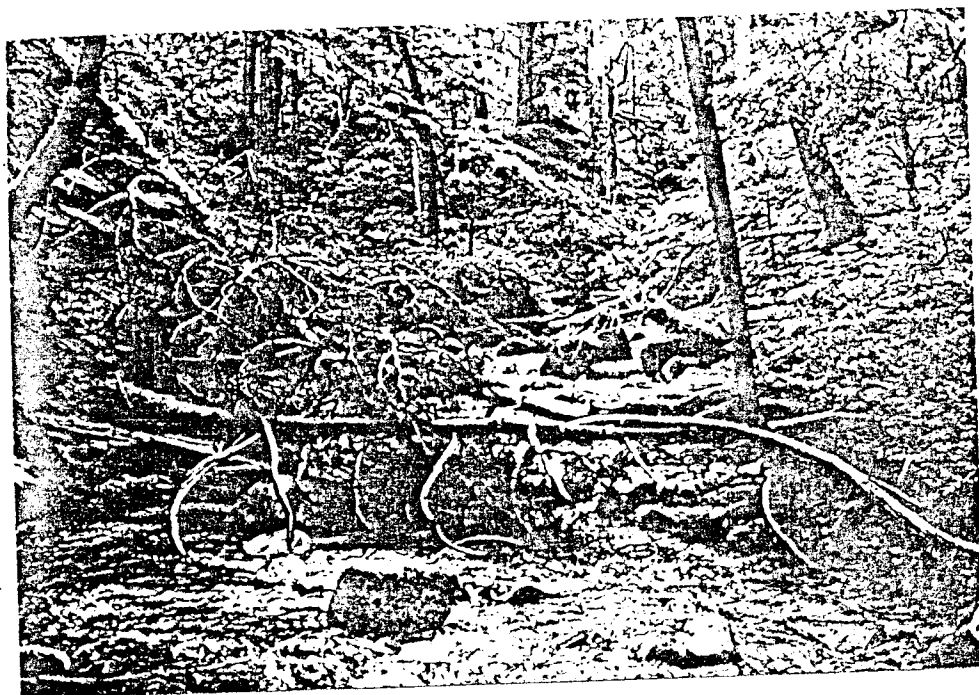


Photo #12: Stream 105-10-42 .2 mile upstream

Futher reconnaissance of the upper watershed is needed.

9/3/78 Time 3:00 PM

105-10-42 photo # 10426

Observer Franzel

Stream No. 105-10-42 Title Stage Flood  
 56° 05' 10" 16 Longitude 134° 09' 15" 17"

from USGS markers 1.95 miles NW of Lemon Pt. Rock, .95 mile NW of Arthur Marker  
 watershed 704 acres Length of stream 1.75 miles

lake systems None

	1				
Width:	28				
width-depth of flow:	26x6"-12"				
gradient (%):	4-5%				
Exposed bedrock:	10%				
Large boulder (3'+dia.):	10%				
Small boulder (1' - 3'):	10%				
Large rubble (6" - 12"):	20%				
Small rubble (3" - 6"):	20%				
Coarse gravel (1" - 3"):	20%				
Fine gravel (<1"):	8%				
Sand, silt, clay, muck:	2%				
fraction of gravels:	2				
temperature of water/air:	12°C/16°C				
cover:	1 lt. rain				
turbidity:	2/1				
	7.0				
rated discharge:	25 cfs				
atic vegetation/density:	1/3 3/3				
stream organic debris and cover:	3.5				
ality of canopy and species:	2.5 spruce hemlock				
riffle ratio:	30/70				
size:	2				
depth:	1'-4'				
er bank height & composition:	1'-5' bdrk.				
er bank stability:	root-rock				
in species:	none				
undance:	seen				
erial survey notes:	fairly dense canopy				
ality of rearing habitat:	fair				
ailable spawning area (ASA):	20%				

ADF&G Anadromous Stream No.

105-10-42

Map: Port Alexander A 1  
Lat: 56° 05' 16"  
Long: 134° 09' 11"

Water source: Surface runoff.

Spawning areas: In Port McArthur.

Shellfish potential: Flood tide conditions prevented assessment.

Land use at present: None

History of land use: None

Anchorage: In Port McArthur - exposed to SE winds.

Sport fish potential: Very low.

Trails and survey routes: No obvious game trails were evident although stream  
course was fairly easy to walk.

Spawning escapement data:

ADF&G spawning escapement data:

1973 Fish observed in intertidal zone.

